BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to roads and drains at Kattigenahalli and surrounding areas in Ward No.05 Byataranapura Sub Division

MEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate in RS.	Amount in RS.	Remarks
Item No. 01		Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications and as per the directions of the Engineer-in-charge of the work .									
			Cum								
		Vide Total executed Quantity from premeasuremet Page no. 1 to 2						487.97			
		Total Executed Quantity						**487.97**			
		Tender Quantity						**488.80**			
		Now To Be Paid Quantity						**487.97**	**144.60**	**70560.46**	
Item No. 02		Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. and as per the direction of Engineer in charge of the work.									
			Cum								
		Vide Total executed Quantity from premeasuremet Page no. 2-4						77.74			
		Total Executed Quantity						**77.74**			
		Tender Quantity						**71.76**			
		Now To Be Paid Quantity									
		Quantity Limited to						**71.76**	**4700.00**	**337272.00**	
Item no.03		Providing laying plain/ reinforced cement concrete for side Drains Using M20 nominal mix Concrete with OPC at 300kgs.With 20mm and Down size granite metal coarse aggregate at 0.69cum and fine aggregate at 0.43cum Machne mixed, well compacted for wall and Bottom including centering shuttering,cost of materials,HOM of Machinery,Curing Etc.,Complete Excluding cost of Steel as per morth MORTH specification and as per the direction of Engineer in charge of the work.									
Measurements Taken On :											
		Palanahalli Lake Opp Road LHS									
		LHS									
0	30		Cum	1	30.00	0.90	0.15	4.05			
30	60		Cum	1	30.00	0.90	0.15	4.05			
60	90		Cum	1	30.00	0.90	0.15	4.05			
90	120		Cum	1	30.00	0.90	0.15	4.05			
120	150		Cum	1	30.00	0.90	0.15	4.05			
150	153.3		Cum	1	3.30	0.90	0.15	0.45			
		RHS									
0	30		Cum	1	30.00	0.90	0.15	4.05			
30	60		Cum	1	30.00	0.90	0.15	4.05			
60	90		Cum	1	30.00	0.90	0.15	4.05			
90	120		Cum	1	30.00	0.90	0.15	4.05			
120	150		Cum	1	30.00	0.90	0.15	4.05			
150	153.3		Cum	1	3.30	0.90	0.15	0.45			

71.40

Contractor

Assistant Engineer

Assistant Executive Engineer

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MEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate in RS.	Amount in RS.	Remarks
		Palanahalli Lake Opp Road LHS									
		RHS									
0	30		Cum	1	30.00	0.90	0.15	4.05			
30	60		Cum	1	30.00	0.90	0.15	4.05			
60	90		Cum	1	30.00	0.90	0.15	4.05			
90	120		Cum	1	30.00	0.90	0.15	4.05			
120	121.9		Cum	1	1.90	0.90	0.15	0.26			
		LHS									
0	10		Cum	1	10.00	0.90	0.15	1.35			
								17.81			
		Side Wall Palanahalli Lake Opp Road LHS									
		LHS									
0	30		Cum	2	30.00	0.15	0.75	6.75			
30	60		Cum	2	30.00	0.15	0.75	6.75			
60	90		Cum	2	30.00	0.15	0.75	6.75			
90	120		Cum	2	30.00	0.15	0.75	6.75			
120	150		Cum	2	30.00	0.15	0.65	5.85			
150	153.3		Cum	2	3.30	0.15	0.60	0.59			
								53.14			
		RHS									
0	30		Cum	2	30.00	0.15	0.60	5.40			
30	60		Cum	2	30.00	0.15	0.60	5.40			
60	90		Cum	2	30.00	0.15	0.60	5.40			
90	120		Cum	2	30.00	0.15	0.60	5.40			
120	150		Cum	2	30.00	0.15	0.60	5.40			
150	153.3		Cum	2	3.30	0.15	0.60	0.59			
								C/F			
		Palanahalli Lake Opp Road LHS									
		RHS									
0	30		Cum	2	30.00	0.15	0.60	5.40			
30	60		Cum	2	30.00	0.15	0.60	5.40			
60	90		Cum	2	30.00	0.15	0.60	5.40			
90	120		Cum	2	30.00	0.15	0.60	5.40			
120	121.9		Cum	2	1.90	0.15	0.60	0.34			
		LHS									
0	10		Cum	2	10.00	0.15	0.60	1.80			
						Sub Total		**143.98**			
		Culvert Palanahalli	Cum	1	12.00	1.20	0.20	2.88			
		Cross Road	Cum	1	12.00	1.20	0.20	2.88			
		Side Wall Palanahalli	Cum	2	12.00	0.20	0.45	2.16			
			Cum	2	12.00	0.20	0.45	2.16			

Contractor

Assistant Engineer

Assistant Executive Engineer

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MEASUREMENT SHEET
FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate in RS.	Amount in RS.	Remarks
						Sub Total		**10.08**			
							Total Executed Quantity	**154.06**			
							Tender Quantity	**154.08**			
							Now To Be Paid Quantity	**154.06**	**5000.00**	**770300.00**	
Item no.04		Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. and as per the direction of Engineer in charge of the work.									
			Tonne								
		Vide Total executed Quantity from premeasuremet Page no. 5						9.47			
							Total Executed Quantity	**9.47**			
							Tender Quantity	9.45			
							Now To Be Paid Quantity				
							Quantity Limited To	**9.45**	**65000.00**	**614250.00**	
Item no.05		Providing and Fixing pre cast covering Slabs of 100mm thick for drain in cement concrete M20 using granded granite jelly 20mm and Down Size with Steel reinforcement including form work, lift charges curing, and concrete finished surfaces on both sides etc, complete and as per the direction of Engineer in charge of the work.									
Measurements Taken On :											
		Palanahalli Lake Opp									
		LHS									
0	30		Sqm	1	30.00	0.90		27.00			
30	60		Sqm	1	30.00	0.90		27.00			
60	90		Sqm	1	30.00	0.90		27.00			
90	120		Sqm	1	30.00	0.90		27.00			
120	150		Sqm	1	30.00	0.90		27.00			
150	153.3		Sqm	1	3.30	0.90		2.97			
		RHS									
0	30		Sqm	1	30.00	0.90		27.00			
30	60		Sqm	1	30.00	0.90		27.00			
60	90		Sqm	1	30.00	0.90		27.00			
90	120		Sqm	1	30.00	0.90		27.00			
120	150		Sqm	1	30.00	0.90		27.00			
150	153.3		Sqm	1	3.30	0.90		2.97			
		Palanahalli Lake Opp Road LHS									
		RHS									
0	30		Sqm	1	30.00	0.90		27.00			
30	60		Sqm	1	30.00	0.90		27.00			
60	90		Sqm	1	30.00	0.90		27.00			
90	120		Sqm	1	30.00	0.90		27.00			
120	121.9		Sqm	1	1.90	0.90		1.71			
		LHS									
0	10		Sqm	1	10.00	0.90		9.00			
							Total Executed Quantity	**394.65**			
							Tender Quantity	**337.50**			
							Now To Be Paid Quantity				
							Quantity Limited To	**337.50**	**2000.00**	**675000.00**	

Contractor

Assistant Engineer

Assistant Executive Engineer

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MEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate in RS.	Amount in RS.	Remarks
Item no.06		Providing and Fixing pre cast covering Slabs of 230mm thick for drain in cement concrete M20 using granded granite jelly 20mm and Down Size with Steel reinforcement including form work, lift charges curing, and concrete finished surfaces on both sides etc, complete and as per the direction of Engineer in charge of the work.									
Measurements Taken On :											
		Palanahalli									
			Sqm	1	12.00	1.20		14.40			
		Cross Road	Sqm	1	12.00	1.20		14.40			
							Total Executed Quantity	**28.80**			
							Tender Quantity	**28.80**			
							Now To Be Paid Quantity	**28.80**	**4350.00**	**125280.00**	
									Sub Total	**2592662.46**	
									Add 12% Gst	**311119.50**	
									Total Amount	**2903781.96**	

Contractor

Assistant Engineer

Assistant Executive Engineer

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